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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/505,721	02/17/2000	Joseph A. Giordano	03204.0063	7099
27810	7590	04/06/2006	EXAMINER	
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY			GRAHAM, CLEMENT B	
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1545 ROUTE 22 EAST			PAPER NUMBER	
ANNANDALE, NJ 08801-0900			3628	

DATE MAILED: 04/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/505,721

Applicant(s)

GIORDANO ET AL.

Examiner

Clement B. Graham

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 28,31-59,63-65 and 83-90 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 28,31-59,63-65 and 83-90 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-27, 29-30, 60-62, and 66-82 has been cancelled and claims 28, 31-59, 63-65 remained pending and claims 83-90 has been added.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 28, 31-59, 63-65, and 83-90, are rejected under 35 U.S.C. 102(e) as being anticipated by Kaehler et al (Hereinafter Kaehler 6, 089, 284).

As per claim 28, Kaehler discloses a system, comprising the following components:

i) a customer transceiver (i. e, transponder") comprising memory(see fig: 4a and see column19 lines 3-29) wherein said customer transceiver generates operating power (i. e, passive or active" see column 7 lines 5-10") after receiving a first radio frequency signal and subsequently transmits a second radio frequency signal that conveys a customer/transmitter identifier(see column 2 lines 49-65)

(ii) a merchant transceiver (i. e, transmitter/receiver see column 21 lines 24-27") comprised of a transceiver antenna (see column 20 lines 35 –59) that (a) sends said first radio frequency signal to said customer transceiver and (b) receives said second radio frequency signal conveying said customer/transmitter identifier from said customer transceiver(see column 2 lines 49-65)

(iii) a point-of-sale device processor (see column 7 lines 30-58) in communication with said merchant transceiver, that (a) captures transaction data, (b) combines the transaction data with said a customer/transmitter identifier(i. e, transponder identifier see column 31 lines 60-67 and column 32 lines 1-6") and a merchant identifier ("inherent) to form an authorization request, and (c) transmits the authorization request

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to a transaction system(see column 13 lines 36-49 and column 2 lines 49-65 and column 11 lines 1-14) and

iv a transaction processing system comprising: a memory having program instructions; and a processor configured to use said program instructions to (a) receive said authorization request; (b) determine, from said customer/transmitter identifier and merchant identifier, a payment processor; (c) transmit said an authorization request to said payment processor for authorization; and (d) transmit to said point-of-sale devices said payment processor's response to said authorization request.(see column 13 lines 36-49 and column 11 lines 1-14 and column 8 lines 58-67 an column 9 lines 1-18)

As per claim 31, Kaehler discloses wherein said customer transceiver ("i. e, transponder") is further comprised of a processor coupled to said memory(see Fig: 4a) wherein said processor adapted to read to from, and write data to, said memory.(see column 8 lines 22-34 and see column 29 lines 26-32 and see fig: 4a and see column19 lines 3-29).

As per claim 32, Kaehler discloses wherein said customer transceiver ("i. e, transponder") is further comprised of a security Pad operable to capture biometric data and to convert said data into an electronic representation of said data.(see column 2 lines 49-65 and see column 29 lines 26-32).

As per claim 33, Kaehler discloses wherein said biometric data is a fingerprint .(see column 1 lines 63-67and see column 29 lines 26-32 and see column 2 lines 49-65).

As per claim 34, Kaehler discloses wherein said biometric data is a palm print. .(see column 1 lines 63-67 and .(see column 2 lines 49-65).

As per claim 35, Kaehler discloses wherein said customer transceiver("i. e, transponder") compare an electronic representation of stored in said customer transceiver memory (see fig: 4a and see column19 lines 3-29) and transmit said customer/transmitter identifier when said captured biometric data is identical to said digital image stored in said customer transceiver memory.(see column 2 lines 49-65 and see column 29 lines 26-32).

As per claim 36, Kaehler discloses wherein said customer transceiver processor is adapted to: compare a transaction amount with a dollar amount stored in said customer transceiver memory and inhibit transmission of said customer/transmitter identifier when said transaction amount is greater than said dollar amount. (see fig: 4a and see column 19 lines 3-29).

As per claim 37, Kaehler discloses wherein said customer transceiver processor is adapted to subtract a transaction amount from a dollar amount stored in said customer transceiver memory when said transaction is authorized. (see column 19 lines 3-29).

As per claim 38, Kaehler discloses wherein said customer transceiver ("i. e, transponder") is further comprised of: a processor ("inherent with computers") coupled to the memory ("inherent with computers") and a keyboard ("inherent with computers") coupled to the processor; wherein said processor is operable to transmit information stored in said memory, or manually entered via said keyboard. (see column 6 lines 55-67 and column 7 lines 1-10).

As per claim 39, Kaehler discloses wherein said customer transceiver is embedded inside an article of clothing. (see column 6 lines 55-67 and column 7 lines 1-10).

As per claim 40, Kaehler discloses wherein said customer transceiver is embedded inside an item of jewelry. (see fig: 2c and see column 6 lines 55-67 and column 7 lines 1-10).

As per claim 41, Kaehler discloses wherein said customer transceiver is embedded inside an electronic device. (see fig: 2c and see column 6 lines 55-67 and column 7 lines 1-10).

As per claim 42, Kaehler discloses wherein said merchant transceiver is further comprised of: a processor coupled to the transceiver; and a keyboard coupled to the processor; wherein said processor is operable to receive information manually entered into said keyboard or received via said transceiver. (see column 7 lines 30-59).

As per claim 43, Kaehler discloses wherein said merchant transceiver is further comprised of a display device for displaying information to a user. (see column 9 lines 19-45).

As per claim 44, Kaehler discloses wherein said merchant transceiver is further comprised of a printer for printing a receipt.(see column 7 lines 29-35).

As per claim 45, Kaehler discloses wherein said merchant transceiver is further comprised of a memory operable to store information relating to a transaction. (see fig: 4a and see column 19 lines 3-29).

As per claim 46, Kaehler discloses wherein said merchant transceiver is further comprised of a communication interface for communicating with external computing devices.(see column 2 lines 49-65).

As per claim 47, Kaehler discloses wherein said communication interface provides wireless connectivity to a point-of-sale device.(see column 28 lines 27-43).

As per claim 48, Kaehler discloses wherein said communication interface provides connectivity to a CATV network.(see column 7 lines 20-29).

As per claim 49, Kaehler discloses wherein said communication interface provides connectivity to the public switched telephone network (PSTN).(see column 11 lines 15-40).

As per claim 50, Kaehler discloses wherein said communication interface provides connectivity to a self-service vending machine or pay telephone. (see column 11 lines 15-40).

As per claim 51 Kaehler discloses a method comprising the following steps:
transmitting a first radio frequency signal to a customer transceiver that generates operating power ("i. e, passive or active "see column 7 lines 1-10 ") after receiving said first radio frequency signal(see column 2 lines 49-65)

(ii) subsequently transmitting, from said customer transceiver("i. e, transponder") a second radio frequency signal that conveys customer identification data;

iii receiving said second radio frequency signal including said customer identification data. (see column 2 lines 49-65)

iv creating an authorization request based at least in part upon the receipt of the customer identification data, the authorization request comprising: a merchant identifier, transaction data and the customer identification data (see column 13 lines 36-49 and

column 2 lines 49-65 and column 11 lines 1-14 and column 8 lines 59-67 and column 9 lines 1-18)

(v) communicating the authorization request to a transaction processor selecting a payment processor at the transaction processor based at least in part upon information associated with the customer identification data and the merchant identifier

("inherent")stored in a database accessible by the transaction processor; and

vii communicating the selected payment processor for approval and payment.(see column 13 lines 36-49 and column 11 lines 1-14 and column 8 lines 58-67 and column 9 lines 1-18).

As per claim 52, Kaehler discloses further comprising communicating said customer identification data to a point of sale device.(see column 2 lines 49-65).

As per claim 53, Kaehler discloses wherein said customer identification data is communicated to said point of sale device and said point of sale device is coupled to said receiver.(see column 7 lines 45-55).

As per claim 54, Kaehler discloses wherein said customer identification data is communicated to said point of sale device and said point of sale device is integral with said receiver. .(see column 7 lines 45-55).

As per claim 55, Kaehler discloses further comprising: processing the purchase transaction for approval and payment. (see column 19 lines 3-29).

As per claim 56, Kaehler discloses wherein communicating the authorization request to a transaction processor further comprises encrypting the authorization request.(see column 8 lines 57).

As per claim 57, Kaehler discloses wherein the database information comprises a preassigned payment methods associated with (vi) the customer identification data and merchant identifier and, the processing of the authorization request at the transaction processor further comprises processing the purchase transaction according to the a preassigned payment method.(see column 11 lines 1-14 and column 7 lines 29-43).

As per claim 58, Kaehler discloses wherein the preassigned payment methods is are preselected by a customer.(see column 11 lines 1-14 and column 7 lines 29-43).

As per claim 59, Kaehler discloses wherein the preassigned payment method is associated with a merchant and the preassigned payment method may vary for transactions with different merchants. (see column 11 lines 1-14 and column 7 lines 29-43).

As per claim 63, Kaehler discloses wherein the point of sale device is coupled to a security device that prevents unauthorized use of the transceiver.(see column 31 lines 60-67 and column 32 lines 1-6).

As per claim 64, Kaehler discloses wherein the security device further comprises a biometric recording device.(see column 29 lines 10-32).

As per claim 65, Kaehler discloses further comprising: inputting a password or Personal Identification Number (PIN) into a security device in communication with said point of sale device.(see column 1 lines 53-67 and column 7 lines 44-58).

As per claim 83, Kaehler discloses wherein said customer/transmitter identifier does not contain a customer's credit card or debit card number.(see column 1 lines 25-51).

As per claim 84, Kaehler discloses wherein said customer identification data does not contain a customer's credit card or debit card number.(see column 1 lines 25-51).

As per claim 85, Kaehler discloses a device comprising the following components: memory; (see fig: 4a and see column 19 lines 3-29) a security pad that captures biometric data and converts said data into an electronic representation of said data; a processor; and a transceiver.(see column 2 lines 49-65 and see column 29 lines 26-32) wherein said device generates operating power (i. e, passive or active" see column 7 lines 5-10") after receiving a first radio frequency signal from another transceiver (i. e, customer transponder") and subsequently sends a second radio frequency(see column 20 lines 35-47) signal containing customer identification data.(see column 2 lines 49-65 and column 19 lines 1-29 and column 29 lines 25-32).

As per claim 86, Kaehler discloses wherein said processor compares an electronic representation of biometric data with digital image(s) stored in said memory and only transmits said customer identification data when said captured biometric data is identical to a digital image stored in said memory.(see column 29 lines 10-32).

As per claim 87, Kaehler discloses a device comprising the following components: memory; a processor; and a radio frequency transceiver, wherein said memory stores a dollar amount and wherein said device (a) generates operating power after receiving a first radio frequency signal from another transceiver, (b) compares a transaction amount with said stored dollar amount and (c) sends a second radio frequency signal containing customer identification data.(see column 11 lines 1-14 and column 29 lines 10-32 and column 2 lines 50-65).

As per claim 88, Kaehler discloses wherein said second radio frequency signal is inhibited if said transaction amount is greater than said stored dollar amount.(see column 19 lines 3-29).

As per claim 89, Kaehler discloses a device comprising the following components: memory; and a transceiver, wherein said memory stores automatic teller machine (ATM) card information and wherein said device generates operative power and transmits said information after receiving a radio frequency signal from another transceiver.(see column 3 lines 9-12).

As per claim 90, Kaehler discloses a method comprising the following steps:
(i) sending a first radio frequency signal to a customer transceiver that generates operating power after receiving said first radio frequency signal; (ii) receiving a second radio frequency signal conveying automatic teller machine (ATM) card information from said customer transceiver; and (iii) prompting the customer to input his/her personal identification number and transaction information.(see column 1 lines 3-67 and column 7 lines 44-58).

Conclusion

4. Applicant's arguments filed 6/1/2006 has been fully considered but they are moot in view of new grounds of rejections.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clement B Graham whose telephone number is 703-305-1874. The examiner can normally be reached on 7am to 5pm.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung S. Sough can be reached on 703-308-0505. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-0040 for regular communications and 703-305-0040 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

CG

March 3, 2006


FRANTZY POINVIL
PRIMARY EXAMINER
Au 3628